

Attorney's Docket No.: 06618-590001/CIT- 3165

REMARKS

Claims 1-9 are pending. Claims 4 and 5 have been amended to correct typographical informalities. Claims 6-8 are withdrawn from consideration. Claim 9 has been added by way of the present amendment.

In the action mailed November 4, 2004, the specification was objected to as including various typographical informalities. Changes have been made to address the Examiner's concerns.

Claims 1, 2, 4, and 5 were rejected under 35 U.S.C. § 102(b) as anticipated by U.S. Patent No. 5,092,036 to Hu et al. (hereinafter "Hu"). Claims 1-5 were rejected under 35 U.S.C. § 103(a) as obvious over Hu.

The rejections contend that Hu describes indium bumps or columns approximately 75 μm in height.

Applicant respectfully disagrees. Rather, Hu describes metal tubes that traverse a high performance polymer film. See Hu, FIG. 2. Hu's metal tubes are completely filled with molten indium by capillary action. See Hu, col. 5, line 33-36. The metal tubes protrude 20 μm from each side of the polymer film. See Hu, col. 2, line 23-25. The polymer film is itself 75 μm thick. See Hu, col. 2, line 21-22.

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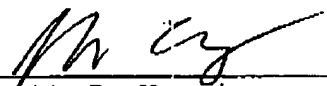
Hu's indium columns are therefore at least 115 (i.e., 75 + 20 + 20) μm in height. Hu thus neither describes nor suggests indium bumps that have a height of between 15 to about 100 μm as claimed in claim 1. Hu similarly does not describe the subject matter of claims 4 and 5 where surfaces of a pixilated detector and a VLSI chip are separated by about 15 to about 100 μm .

Accordingly, Applicant submits that claims 1-5 are allowable.

Applicant asks that all claims be allowed, at which time formal drawings will be submitted. No fees are believed due at this time. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: February 4, 2005



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